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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/698,920
Applicant(s) : Conrad, et al.
Filed : October 31, 2003
T.C./A.U. : 1751
Examiner : Amina S. Khan
Title : Non-Aqueous Washing
Machine & Methods
Docket No. : US19984045-8
(094342.0031)

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
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Enclosed please find the cited references which have recently come to the attention of the undersigned. Please charge the \$180.00 surcharge and any additional fees to our Deposit Account No. 50-0959, referencing our Docket No. 094342.0031.

03/08/2007 BABRAHA1 00000015 500959 10698920
01 FC:1806 180.00 DA

Respectfully submitted,
ROETZEL & ANDRESS

March 2, 2007
Date

Eileen T. Mathews
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Applicants are bringing to the Examiner's attention the following co-pending related applications disclosed above on PTO/SB/08A. The identification of any information herein and disclosed above is not intended to be, and should not be understood as being an admission that such information, in fact, constitutes "prior art" within the meaning of applicable law.

PUB. NO.	APP. SER. NO.	PATENTEE	PUB. DATE
20040117919	10/699,262	Conrad, et al.	06/24/2004
20050096243	10/957,555	Luckman, et al.	05/05/2005
20050096242	10/956,707	Luckman, et al.	05/05/2005
20050092033	10/957,485	Luckman, et al.	05/05/2005
20050091757	10/957,484	Luckman, et al.	05/05/2005
20050091756	10/699,308	Tremitchell Wright	05/05/2005
20050043196	10/957,486	Wright, et al.	02/24/2005
2005-0091755	10/699,159	Daniel Conrad, et al.	05/05/2005
20050071928	10/957,451	Wright, et al.	04/07/2005
20050150059	11/005,979	Luckman, et al.	07/14/2005
20050155393	10/971,671	Wright, et al.	07/21/2005
20050222002	11/135,213	Luckman, et al.	10/16/2005
20050257812	11/135,181	Wright, et al.	11/24/2005
20050263173	11/135,214	Luckman, et al.	12/01/2005
2005-0092352	10/957,487	Luckman, et al.	05/05/2005
20060260064	11/135,146	Luckman, et al.	11/23/2006
20060260065	11/135,570	Wright, et al.	11/23/2006
20020056163	10/027,160	Estes, et al.	05/16/2002

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PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

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Sheet 1 of 21

Complete if Known

Application Number	10/698,920
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	19984054-8 (094342.0031)

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US- 2001/0054202	12/27/2001	John Sevens, et al.	
	AB	US- 2002/0013234	01/31/2002	John Sevens, et al.	
	AC	US- 2002/0029427	03/14/2002	John Sevens, et al.	
	AD	US- 2002/0038480	04/04/2002	John Deak, et al.	
	AE	US- 2002/0017493	02/14/2002	Bruno Johannes Ehrnsperger, et al.	
	AF	US- 2002/0007519	01/24/2002	Anna Noyes, et al.	
	AG	US- 2002/0004950	01/17/2002	Michael Burns, et al.	
	AH	US- 2002/0004952	01/17/2002	John Deak, et al.	
	AI	US- 2002/0010964	01/31/2002	John Deak, et al.	
	AJ	US- 20040117919	06/24/2004	Conrad, et al.	
	AK	US- 20020056163	05/16/2002	Kurt Estes	
	AL	US- 20050096243	05/05/2005	Luckman, et al.	
		US- 20040139555	07/22/2004	Daniel Conrad	
		US- 20050096242	05/05/2005	Luckman, et al.	
		US- 20050092033	05/05/2005	Luckman, et al.	
		US- 20050091757	05/05/2005	Luckman, et al.	
		US- 20050091755	05/05/2005	Conrad, et al.	
		US- 20050091756	05/05/2005	Tremitchell Wright	
		US- 20050043196	02/24/2005	Wright, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ ~Number ⁴ ~Kind Code ⁵ (<i>if known</i>)				
	BA	WO 98/06815	2/19/1998	Abid Merchant, et al.		
	BB	WO 99/14175	3/25/1999	Frederick E. Behr, et al.		
	BC	WO 01/06051	1/25/2001	Wolf-Dieter Berndt, et al		
		WO 01/34613	5/17/2001	Robert J. Perry, et al.		
		WO 01/44256	6/21/2001	Robert J. Perry, et al.		
		WO 01/94677	12/13/2001	Dennis S. Murphy		

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Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	19984054-8 (094342.0031)

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	AA	US- 20050071928	04/07/2005	Wright, et al.	
	AB	US- 20050150059	07/14/2005	Luckman, et al.	
	AC	US- 20050155393	07/21/2005	Wright, et al.	
	AD	US- 20050222002	10/16/2005	Luckman, et al.	
	AE	US- 20050257812	11/24/2005	Wright, et al.	
	AF	US- 20050263173	12/01/2005	Luckman, et al.	
	AG	US- 20050132502	06/23/2005	F. Goldoni	
	AH	US- 20050133462	06/23/2005	F. Goldjini	
	AI	US- 20040088846	05/13/2004	Dennis Murphy, et al.	
	AJ	US- 200440088795	05/13/2004	Michael Orchowski, et al.	
	AK	US- 20050126606	06/16/2005	Machiel Goedhart	
	AL	US- 20050037938	02/17/2005	Mahmoud Elhamid, et al.	
		US- 3423311	01/21/1969	Richard Hetherinton, et al.	
		US- 3930998	01/6/1976	Paul V. Knopp, et al.	
		US- 4032927	06/28/1977	Takeshi Goshima	
		US- 4042498	08/16/1977	David C. Kennedy	
		US- 4046700	09/6/1977	Nolan S. Glover	
		US- 4121009	10/17/1978	Paritosh M. Chakrabarti	
		US-			

FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	BA	WO 01/94680	12/13/2001	Dennis S. Murphy, et al.		
	BB	WO 01/94685	12/13/2001	Michael Burns		
	BC	WO 01/94683	12/13/2001	Anna Noyes, et al.		
		WO 01/94675	12/13/2001	John Severns, et al.		
		EP0182583	07/03/1991	Kenneth A. Kasprzak		
		EP0246007	03/18/1992	Beverly K. Kemerer, et al		

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Sheet **3** of **21****Complete if Known**

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Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	19984054-8 (094342.0031)

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	AA	US- 4153590	05/08/1979	Karl Mueller	
	AB	US- 4169856	10/02/1979	Giacchino Cocuzza, et al.	
	AC	US- 4184950	01/22/1980	Leon C. Bixby	
	AD	US- 4186047	01/29/1980	Emigdio J. Salmon	
	AE	US- 4235600	11/25/1980	Joseph A. Capella	
	AF	US- 4331525	05/25/1982	Francis Huba, et al.	
	AG	US- 4395488	07/26/1983	Delton J. Rowe	
	AH	US- 4420398	12/13/1983	Franco Castino	
	AI	US- 4421794	12/20/1983	Homan B. Kinsley, Jr.	
	AJ	US- 4434196	02/28/1984	Tibor Robinson, et al.	
	AK	US- 4444625	04/24/1984	Robert G. Smith	
	AL	US- 4457858	07/03/1984	Herbert Saran	
		US- 4499621	02/19/1985	Rene Gasser	
		US- 4539093	09/03/1985	Robert H. Friedman, et al.	
		US- 4595506	06/17/1986	Franz X. Kneer	
		US- 4610785	09/09/1986	Frederick E. Russell	
		US- 4622039	11/11/1986	Rosario Merenda	
		US- 4625432	12/2/1986	Hans Baltes	
		US- 4664754	05/12/1987	Roger W. Caputi, et al.	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	BA	EP 0707060	07/01/1998	Cheryl A. McCormack, et a		
	BB	EP1041189	10/40/2000	John A. Kilgour, et al.		
	BC					
		EP1536052	10/27/2004	Conrad, et al.		
		EP1528138	10/28/2004	Conrad, et al.		
		EP1528139	10/28/2004	Conrad, et al.		

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		Number-Kind Code ² (if known)			
	AA	US- 4665929	05/19/1987	William N. Helm	
	AB	US- 4678587	07/07/1987	Jack L. Voinche, et al.	
	AC	US- 4685930	08/11/1987	Kenneth A. Kasprzak	
	AD	US- 4708775	11/24/1987	Ian R. McGregor, et al.	
	AE	US- 4755261	07/05/1988	James W. McCord, et al.	
	AF	US- 4761209	08/02/1988	Joseph Bonaventura, et al.	
	AG	US- 4767537	08/30/1988	H. Forbes Davis	
	AH	US- 4769921	09/13/1988	Vladimir M. Kabakov	
	AI	US- 4790910	12/13/1988	Jaroslav J. Havlik	
	AJ	US- 4802253	02/07/1989	Haruo Hagiwara	
	AK	US- 4808319	02/28/1989	Robert G. McNally, et al.	
	AL	US- 4818297	04/04/1989	Reinhold Holzmiller, et al.	
		US- 4830710	05/16/1989	Ronald D. Thompson	
		US- 4834003	05/30/1989	Artur Reischl, et al.	
		US- 4851123	07/25/1989	Surendra K. Kmishra	
		US- 4857150	08/15/1989	Steven E. Rival	
		US- 4869872	09/29/1989	Hans Baltes	
		US- 4879888	11/14/89	Moshe Suissa	
		US- 4880533	11/14/89	John Hondulas	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	EP1528140	10/28/2004	Tremichell Wright, et al.		
	BB	EP1528141	10/29/2004	Tremitchell Wright, et al		
	BC					

Examiner Signature	Date Considered
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		Number-Kind Code ² (if known)			
	AA	US- 4904390	02/27/1990	Werner Schweighofer, et al.	
	AB	US- 4911761	03/27/1990	Christopher F. McConnell	
	AC	US- 4919839	04/24/1990	Patrick Durbut	
	AD	US- 4947983	08/14/1990	Walter Jost	
	AE	US- 4980030	12/25/1990	Jeffrey C. Johnson, et al.	
	AF	US- 4984318	01/15/1991	Damaso Coindreau-Palau	
	AG	US- 5004000	04/02/1991	Serge A. Berruex	
	AH	US- 5028326	07/02/1991	Robert D. Littler, et al.	
	AI	US- 5043075	08/27/1991	Korger Dietmar, et al.	
	AJ	US- 5050259	09/24/1991	Yasuhiro Tsubaki	
	AK	US- 5054210	10/8/1991	Kevin Schumacher	
	AL	US- 5056174	10/15/1991	Haruo Hagiwara	
		US- 5082503	01/21/1992	Robert M. Slugs	
		US- 5104419	04/14/1992	Harald F. Funk	
		US- 5104545	04/14/1992	C. Mitchell Means, et al.	
		US- 5106507	04/21/1992	Byron Klock, et al.	
		US- 5112358	05/12/1992	James F. Deal	
		US- 5116473	05/26/1992	Joseph J. Bostjancic	
		US- 5118322	06/02/1992	Eric Wasinger, et al.	

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US- 5135656	08/04/1992	C. Mitchell Means, et al.	
	AB	US- 5143579	09/01/1992	Jasper H. Field, et al.	
	AC	US- 5151026	09/29/1992	Paul Anderson, et al.	
	AD	US- 5154854	10/13/1992	Ariette Zabotto, et al.	
	AE	US- 5164030	11/17/1992	Clemens Casper	
	AF	US- 5167821	12/01/1992	Norihito Tanbo, et al.	
	AG	US- 5173200	12/22/1992	George Kellett	
	AH	US- 5193560	03/16/1993	Masato Tanaka	
	AI	US- 5199125	04/06/1993	Wolfgang K.F. Otto	
	AJ	US- 5212272	05/18/1993	Ralph Sargent, et al.	
	AK	US- 5232476	08/03/1993	David C. H. Grant	
	AL	US- 5240507	08/31/1993	Donald J. Gray	
		US- 5256246	08/12/1997	Walter Patapoff, et al.	
		US- 5256557	10/26/1993	Jayarama K. Shetty, et al.	
		US- 5268150	12/07/1993	David T. Burkitt	
		US- 5273589	12/28/1993	Griswold, et al.	
		US- 5284029	02/08/1994	Edward F. Keuper, et al.	
		US- 5287985	02/22/1994	Sakae Hatayama	
		US- 5288420	02/22/1994	John C. Mandy	

FOREIGN PATENT DOCUMENTS

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STATEMENT BY APPLICANT**

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Sheet 7 of 21**Complete if Known**

Application Number	10/698,920
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	19984054-8 (094342.0031)

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US- 5288422	02/22/1994	Rajat S. Basu	
	AB	US- 5290473	03/01/1994	Rajat S. Basu	
	AC	US- 5300197	04/05/1994	Kenji Mitani, et al.	
	AD	US- 5300154	04/05/1994	Ferber, et al.	
	AE	US- 5304253	06/09/1992	David C. H. Grant	
	AF	US- 5304320	04/19/1994	Pierre Barthelemy, et al.	
	AG	US- 5308562	05/03/1994	Hendrik Wohlfahrt-Laymann	
	AH	US- 5315727	05/31/1994	Kyu C. Lee	
	AI	US- 5316690	05/31/1994	Chien C. Li	
	AJ	US- 5320683	06/14/1994	Shunichi Samejima	
	AK	US- 5334258	08/02/1994	Nagato Osano	
	AL	US- 5340443	08/23/1994	Tapio M. Heinio, et al.	
		US- 5340464	08/23/1994	Anthony Mickas	
		US- 5342405	08/30/1994	James Duncan	
		US- 5344527	09/06/1994	Anthony Mickas	
		US- 5346588	09/13/1994	Herbert Sixta, et al.	
		US- 5354428	10/11/1994	R. Scot Clark, et al.	
		US- 5354480	10/11/1994	Peter M. Robinson, et al.	
		US- 5360547	11/1/1994	Keith R. Cockett, et al.	

FOREIGN PATENT DOCUMENTS						
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Application Number	10/698,920
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U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	AA	US- 5368649	11/29/1994	Hideo Tsukazaki	
	AB	US- 5377705	01/03/1995	Charles W. Smith	
	AC	US- 5392480	02/28/1995	Hidetoshi Ishihara	
	AD	US- 5404732	04/11/1995	Ji-Sung Kim	
	AE	US- 5405542	04/11/1995	Toan Trinh, et al.	
	AF	US- 5405767	04/11/1995	Jayarama K. Shetty	
	AG	US- 5407446	04/18/1995	Yoshiteru Sando	
	AH	US- 5419849	05/30/1995	Paul B. Fields	
	AI	US- 5421049	06/06/1995	Charles W. Hendren	
	AJ	US- 5423921	06/13/1995	Hans-Udo Saal	
	AK	US- 5426955	06/27/1995	Robert J. Modahl	
	AL	US- 5439817	08/08/1995	Jayarama Shetty, et al.	
		US- 5443747	08/22/1995	Minoru Inada, et al.	
		US- 5447171	09/05/1995	Yoshihide Shibano	
		US- 5456856	10/10/1995	Ora L. Flaningam, et al.	
		US- 5460018	10/24/1995	Kurt Werner	
		US- 5463819	11/07/1995	Yasumasa Komori	
		US- 5480572	01/02/1996	Barbara H. Minor	
		US- 5488842	02/06/1996	Yukiko Nishioka, et al.	

FOREIGN PATENT DOCUMENTS

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Attorney Docket Number	19984054-8 (094342.0031)

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		Number-Kind Code ² (if known)			
	AA	US- 5490894	02/13/1996	Hirohide Matsuhisa	
	AB	US- 5492138	02/20/1996	Todd Taricco	
	AC	US- 5493743	02/27/1996	Keith R. Schneider	
	AD	US- 5494526	02/27/1996	Ajit P. Paranjpe	
	AE	US- 5494600	02/27/1996	Athanasios Surutidis, et al.	
	AF	US- 5498266	03/12/1996	Hiroyuki Takagawa	
	AG	US- 5500096	03/19/1996	Wallace I. Yuan	
	AH	US- 5501811	03/26/1996	Ora L. Flaningam, et al.	
	AI	US- 5503681	04/02/1996	Minoru Inada	
	AJ	US- 5503756	04/02/1996	Alessandro Corona, III, et al.	
	AK	US- 5504954	04/09/1996	Haeng D. Joo	
	AL	US- 5511264	04/30/1996	Yukiko Nishioka, et al.	
		US- 5518624	05/21/1996	James L. Filson, et al.	
		US- 5524358	06/11/1996	Warren Matz	
		US- 5536327	07/16/1996	Robert Kaiser	
		US- 5536374	07/16/1996	Arthur Spring	
		US- 5537754	07/23/1996	Volker Bachmann, et al.	
		US- 5538025	07/23/1996	Donald J. Gray	
		US- 5538746	07/23/1996	Ehud Levy	

FOREIGN PATENT DOCUMENTS

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Art Unit	1751
Examiner Name	Amina S. Khan
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		Number-Kind Code ² (if known)			
	AA	US- 5555641	09/17/1996	In K. Lee	
	AB	US- 5591236	01/07/1997	Timothy C. Roetker	
	AC	US- 5593598	01/14/1997	Michael McGinness, et al.	
	AD	US- 5604145	02/18/1997	Yasushi Hashizume, et al.	
	AE	US- 5605882	02/25/1997	Diana L. Klug, et al.	
	AF	US- 5617737	04/08/1997	Richard N. Christensen, et al.	
	AG	US- 5622630	04/22/1997	Alvin Green, et al.	
	AH	US- 5625965	05/06/1997	Malcolm Blissett, et al.	
	AI	US- 5637336	06/10/1997	James R. Kannenberg, et al.	
	AJ	US- 5644158	07/01/1997	Eiji Fujii, et al.	
	AK	US- 5645727	07/08/1997	Ramesh R. Bhave, et al.	
	AL	US- 5649785	07/22/1997	Tobin Djerf, et al.	
		US- 5653873	08/05/1997	Bruce Grossman	
		US- 5656246	08/12/1997	Walter Patapoff, et al.	
		US- 5759209	06/02/1998	Robert Adler	
		US- 5765403	06/16/1998	Phillip A. Lincoln, et al.	
		US- 5773403	06/30/1998	Masamichi Hijino, et al.	
		US- 5776351	07/07/1998	Michael McGinness, et al.	
		US- 5776362	07/07/1998	Shigeru Sato, et al.	

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First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	19984054-8 (094342.0031)

Sheet 11 of 21

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	AA	US- 5787537	08/04/1998	Richard Mannillo	
	AB	US- 5789368	08/04/1998	Jing-Feng You, et al.	
	AC	US- 5799612	09/01/1998	Darren L. Page	
	AD	US- 5806120	09/15/1998	Dennis H. McEachern	
	AE	US- 5814592	09/29/1998	Jay I. Kahn, et al.	
	AF	US- 5814595	09/29/1998	Richard M. Flynn, et al.	
	AG	US- 5814498	09/29/1998	K.N. Mani, et al.	
	AH	US- 5824632	10/20/1998	Ora L. Flaningam, et al.	
	AI	US- 5840675	11/24/1998	Bruce A. Yeazell	
	AJ	US- 5846435	12/08/1998	Richard A. Haase	
	AK	US- 5849197	12/15/1998	Leslie J. Taylor, et al.	
	AL	US- 5853593	12/29/1998	Rhonda Miller	
		US- 5858240	01/12/1999	Zbigniew Twardowski, et al.	
		US- 5865852	02/02/1999	Dieter R. Berndt	
		US- 5868937	02/09/1999	Dwight Back, et al.	
		US- 5876685	03/02/1999	Gerald A. Krulik, et al.	
		US- 5885366	03/23/1999	Makoto Umino, et al.	
		US- 5893979	04/13/1999	Jeffery S. Held	
		US- 5894061	04/13/1999	Cynthia A. Ladouceur	

FOREIGN PATENT DOCUMENTS

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Sheet 12 of 21

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Application Number	10/698,920
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	19984054-8 (094342.0031)

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		Number-Kind Code ² (if known)			
	AA	US- 5904737	05/18/1999	A. Duane Preston, et al.	
	AB	US- 5906750	05/25/1999	Richard A. Haase	
	AC	US- 5912408	06/15/1999	Toan Trinh, et al.	
	AD	US- 5914041	06/22/1999	Dennis H. Chancellor	
	AE	US- 5925469	07/20/1999	Ronald P. Gee	
	AF	US- 5925611	07/20/1999	Richard M. Flynn, et al.	
	AG	US- 5935525	08/10/1999	Phillip A. Lincoln, et al.	
	AH	US- 5935441	08/10/1999	Gary A. O'Neill, et al.	
	AI	US- 5942007	08/24/1999	Dieter R. Berndt, et al.	
	AJ	US- 5954869	09/21/1999	Jacques E. Elfersy, et al.	
	AK	US- 5955394	09/21/1999	Michael D. Kelly	
	AL	US- 5958240	09/28/1999	Timothy L. Hoel	
		US- 5959014	09/28/1999	Lanny Liebeskind, et al.	
		US- 5960501	10/05/1999	Alan Burdick	
		US- 5960649	10/05/1999	Alan Burdick	
		US- 5962390	10/05/1999	Richard M. Flynn, et al.	
		US- 5972041	10/26/1999	James A. Smith, et al.	
		US- 5977040	11/02/1999	Minoru Inada, et al.	
		US- 5985810	11/16/1999	Minoru Inada, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
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Application Number	10/698,920
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	19984054-8 (094342.0031)

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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US- 6006387	12/28/1999	Theodore R. Cooper	
	AB	US- 6010621	01/04/2000	Harley J. Pattee	
	AC	US- 6013683	01/11/2000	Randal Myron	
	AD	US- 6027651	02/22/2000	Alan B. Cash	
	AE	US- 6029479	02/29/2000	Harley J. Pattee	
	AF	US- 6042617	03/28/2000	Wolf-Dieter Berndt	
	AG	US- 6042618	03/28/2000	Wolf-Dieter Berndt	
	AH	US- 6045588	04/04/2000	Kurt Estes, et al.	
	AI	US- 6056789	05/02/2000	Wolf-Dieter Berndt	
	AJ	US- 6059845	05/09/2000	Wolf-Dieter Berndt	
	AK	US- 6059971	05/09/2000	Robert Vit, et al.	
	AL	US- 6063135	05/16/2000	Dieter Berndt, et al.	
		US- 6063748	05/16/2000	Richard M. Flynn, et al.	
		US- 6086635	07/11/2000	Wolf-Dieter Berndt, et al.	
		US- 6098306	08/08/2000	Michael Ramsey	
		US- 6113815	09/05/2000	Jacques E. Elfersy	
		US- 6115862	09/12/2000	Theodore R. Cooper	
		US- 6120587	09/19/2000	Jacques E. Elfersy	
		US- 6136223	10/24/2000	Terrence J. Collins	

FOREIGN PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	AA	US- 6136766	10/24/2000	Minoru Inada, et al.	
	AB	US- 6159376	12/12/2000	William J. Lahti	
	AC	US- 6159917	12/12/2000	Jimmie R. Baran	
	AD	US- 6168714	01/02/2001	Shamsuddin Ilias, et al.	
	AE	US- 6171346	01/09/2001	Bruce Yeazell, et al.	
	AF	US- 6177399	01/23/2001	Wang Ping, et al.	
	AG	US- 6190556	02/20/2001	Robert A. Uhlinger	
	AH	US- 6207634	03/27/2001	Axel Meyer, et al.	
	AI	US- 6216302	04/17/2001	A. Duane Preston, et al.	
	AJ	US- 6217771	04/17/2001	J. Boyle, et al.	
	AK	US- 6221944	04/24/2001	Lanny S. Liebeskind	
	AL	US- 6238516	05/29/2001	Dana L. Watson, et al.	
		US- 6238736	05/29/2001	James A. Smith	
		US- 6239097	05/29/2001	Paul A. Wilson	
		US- 6241779	06/05/2001	Terrence J. Collins	
		US- 6241786	06/05/2001	Wolfange Zarges, et al.	
		US- 6254838	07/03/2001	Armand Jean Goede	
		US- 6254932	07/03/2001	James A. Smith	
		US- 6258130	07/10/2001	Dennis Stephen Murphy	

FOREIGN PATENT DOCUMENTS

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Attorney Docket Number	19984045-8 (094342.0031)

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		Number-Kind Code ² (if known)			
	AA	US- 6258276	07/10/2001	Alicia M. Mika, et al.	
	AB	US- 6261460	07/17/2001	James A. Benn, et al.	
	AC	US- 6269667	08/07/2001	Dwight D. Back	
	AD	US- 6274540	08/14/2001	Jeffrey Scheibel, et al.	
	AE	US- 6277804	08/21/2001	Jay Kahn, et al.	
	AF	US- 6281187	08/28/2001	Mark Smerznak	
	AG	US- 6288018	09/11/2001	Richard M. Flynn, et al.	
	AH	US- 6299779	10/09/2001	Harley J. Pattee	
	AI	US- 6309425	10/30/2001	Dennis Murphy	
	AJ	US- 6309752	10/30/2001	Rudolf Dams, et al.	
	AK	US- 6310029	10/30/2001	John A. Kilgour, et al.	
	AL	US- 6312476	11/06/2001	Robert J. Perry, et al.	
		US- 6319406	11/20/2001	Amy R. Freshour, et al.	
		US- 6327731	12/11/2001	Dwight D. Back	
		US- 6348441	02/19/2002	John Aiken, et al.	
		US- 6350377	2/26/2002	Ulrich Kollmar, et al.	
		US- 6365051	04/02/2002	Mansour S. Bader	
		US- 6379547	04/30/2002	Bo Larsson	
		US- 6384008	05/07/2002	Diane Parry	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
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U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	AA	US- 6387186	05/14/2002	Richard C. Reisig, et al.	
	AB	US- 6387241	05/14/2002	Murphy, et al.	
	AC	US- 6398840	06/04/2002	Pedro Orta-Castro, et al.	
	AD	US- 6399357	06/04/2002	Stefan Winge	
	AE	US- 6402956	06/11/2002	Masaaki Andou, et al.	
	AF	US- 6416668	07/09/2002	Riad A. Al-Samadi	
	AG	US- 6423230	07/23/2002	Shamsuddin Ilias, et al.	
	AH	US- 6451066	09/17/2002	Kurt Estes, et al.	
	AI	US- 6591638	07/15/2003	Kurt Estes, et al.	
	AJ	US- 6766670	07/27/2004	Kurt Estes, et al.	
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		Number-Kind Code ² (if known)			
	AA	US- 2003/0196277	10-2003	Hallman, et al.	
	AB	US- 2002/0056164	05-2002	Estes, et al.	
	AC	US- 6,770,615	08-2004	Aouad, et al.	
	AD	US- 2002/0056164	05-2002	Estes, et al.	
	AE	US- 3,733,267	05-1973	Haase, et al.	
	AF	US- 2003/0226214	12-2003	Radomyselski, et al.	
	AG	US- 6,855,173	02-2005	Ehrnsperger, et al.	
	AH	US- 3,410,118	11-1968	Dickey John W.	
	AI	US- 3,163,028	12-1964	De Pas Laddie A, et al.	
	AJ	US- 5,431,827	7-1995	Tatch, Michael D.	
	AK	US- 4,252,546	02-1981	Krugmann, Hans G.	
	AL	US- 3,691,649	09-1972	Pigors, Ernst	
		US- 6,475,968	11-2002	Murphy, et al.	
		US- 2003/0084588	05-2003	France, et al.	
		US- 2001/0042275	11-2001	Estes, et al.	
		US- 6,045,588	04-2000	Estes, et al.	
		US- 4,247,330	01-1981	Sanders, Jr., Albert J.	
		US- 5,091,105	02-1992	Madore, et al.	
		US- 4,961,753	10-1990	Donkers, et al.	

FOREIGN PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	AA	US- 4,708,807	11-1987	Kemerer, Beverly K.	
	AB	US- 4,999,398	03-1991	Graiver, et al.	
	AC	US- 4,388,437	06-1983	Ona, Isao	
	AD	US- 4,912,793	04/03/1990	Hagiwara	
	AE	US- 5,467,492	11/21/1995	Chao, et al.	
	AF	US- 5,498,266	03/12/1996	Takagawa, et al.	
	AG	US- 5,498,266	03/12/1996	Takagawa, et al.	
	AH	US- 5,133,802	07-1992	Maekawa, et al.	
	AI	US- 4,004,048	01-1977	Jackson	
	AJ	US- 4,636,328	01-1987	Flynn, et al.	
	AK	US- 5,712,240	01-1998	Tyerech, et al.	
	AL	US- 5,865,851	02-1999	Sidoti, et al.	
		US- 5,116,426	05-1992	Asano, et al.	
		US- 6,811,811	11-2004	Gerald France, et al.	
		US- 6,653,512	11-2003	Behr, et al.	
		US- 6,552,090	04-2003	Behr, et al.	
		US- 6,743,262	06-2004	Behr, et al.	
		US- 6,149,980	11-2000	Behr, et al.	
		US- 6,746,617	06-2004	Radomyselski, et al.	

FOREIGN PATENT DOCUMENTS

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Application Number	10/698,920
Filing Date	10/31/2003
First Named Inventor	Conrad, et al.
Art Unit	1751
Examiner Name	Amina S. Khan
Attorney Docket Number	19984045-8 (094342.0031)

Sheet 19 of 21

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US- 6,670,317	12-2003	Severns, et al.	
	AB	US- 6,890,892	05-2005	Scheper, et al.	
	AC	US- 6,734,153	05-2004	William M. Scheper	
	AD	US- 5,668,102	09-1997	Severns, et al.	
	AE	US- 6,828,295	12-2004	Deak, et al.	
	AF	US- 6,898,951	05-2005	Severns, et al.	
	AG	US- 5,093,031	03-1992	Login, et al.	
	AH	US- 6,691,536	02-2004	Severns, et al.	
	AI	US- 5,269,958	12-1993	de Jager, Jan	
	AJ	US- 6,860,998	03-2005	Peter F. Wilde	
	AK	US- 5,294,644	03-1994	Login, et al.	
	AL	US- 6,060,108	05-2000	Burd, et al.	
		US- 6,894,014	05-2005	Deak, et al.	
		US- 5,505,985	04-1996	Nakamura, et al.	
		US- 5,427,858	06-1995	Nakamura, et al.	
		US- 5,676,005	10-1997	Balliett, Robert W.	
		US- 5,962,390	10/05/1999	Flynne	
		US- 6,059,845	05/09/2000	Berndt	
		US- 2003/0226214	12/11/2003	Radomyselski	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
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		Number-Kind Code ² (if known)			
	AA	US- 2003/0097718	05-2003	Evers, et al.	
	AB	US- 2002/0056164	05-2002	Estes, et al.	
	AC	US- 5,498,266	03/12/1996	Takagawa, et al.	
	AD	US- 5,888,250	03/30/1999	Hayday, et al.	
	AE	US- 6,558,432	05/06/2003	Schulte, et al.	
	AF	US- 2003/0046963	03/13/2003	Scheper, et al.	
	AG	US- 2003/0084588	05/08/2003	France, et al.	
	AH	US- 2003/0196277	10/23/2003	Hallman, et al.	
	AI	US- 7,033,985	04-2006	Noyes, et al.	
	AJ	US- 2005/0076453	04-2005	Lucas, et al.	
	AK	US- 2002/0133886	09-2002	Severns, et al.	
	AL	US- 2004129032	07/08/2004	Luckman, et al.	
		US- 2002004995	01/17/2002	France P. Ammat, et al.	
		US- 2003204917	11/06/2003	Estes, et al.	
		US- 2004117919	06/24/2004	Conrad, et al.	
		US- 3266166	08/16/1966	F. Heinrich	
		US- 4045174	08/30/1977	Fuhring, et al.	
		US-			
		US-			

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	EP6233898	08/23/1994	Toshiba Corporation		
	BB	EP153052	06/01/2005	Conrad, et al.		
	BC	EP1528138	05/04/2005	Conrad, et al.		
		EP1528139	05/04/2005	Conrad, et al.		
		EP1290259	03/12/2003	John C. Severns, et al.		
		EP0182583	11/12/1985	Kenneth A. Kasprzak		

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	AG	US-			
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	BA					
	BB	GB1002318	08/25/1965	Fuhring Heinrich		
	BC	GB1500801	02/15/1975	BOWE BOHLER ET WEBER		
		JP06233898	08/23/1994	TANAKA YOSHIO		
		WO0194675	12/13/2001	Proctor & Gamble Company		
		WO98/06815	02/19/1998	Abid Merchant, et al.		

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